

underlined = sequence deleted in targeting construct (SEQ ID NO:5)

[] = sequences flanking Neo insert in targeting construct (SEQ ID NO:6 and SEQ ID NO:7)

AGGGAGAGTCTGCCCAAGTTTTTGTATATTTTCTCACTGAGGCATCTATTTCAGTTTGG
GCAGCAGACACTGAGCAGAACGTAGCACGGCAATGCTTGGTAGCAATGCCGTGTCGGGCCA
GCACTCAGAAGACGGAGGCAGGAGAATCATAGCTTCCAGTCAGCCTCTTCTACAATATAG
TCAGTTGGAAGTCAGCCAGCTTAGACAACATGGAGAGCCTGT [GCCGAAAGCCACTGGGT
AAGCCCCGAATCTCAGTAGCAGAGAGCTGCCAGGGTGCGTACTGCAAAAAAAAAACCTCA
AACACAGAAGTAGGGAGGTGTAAATAAAGTGTAGGGGGGTGGAATTTAAGCTGATGTG
GACTTCCAAATAAAGTTACCTTTTAGATACCTATTTAAATCAATAGCATAGACCTGAAAC
TGCTATCAGAAAATGTGTCTATTCTGAGGAAGGAGTGCTAACGAGGTTCGTGAGGGGG
GCCTCTGGCTTTGAGAGGGTGTACCATCACATAAGACTCCTAAAAGCACATACTTTTATA
AATTCACCATGAGCTTTAACATCTTCTTTGTCTATTTCGCAGACTGAGCCATGGAGTCTTT
CGATGCTGACACCAATTCAACTGACCTACACTCACGGCCTCTGTTTCAACCCCAAGACAT
TGC] CTCCATGGTCATTCTTGGTCTCACTTGTCTATTGGGACTGCTAGGCAATGGGCTGG
TGCTGTGGGTAGCTGGCGTAAAGATGAAGACGACCGTGAACACAGTCTGGTTCCTCCATC
TCACCTGGCCGATTTCTCTGCTGCCCTCTCCTTGGCCTTCTCCTTGGCTCACCTGATTC
TCCAAGGACACTGGCCCTATG [GCTTGTTCCTGTGCAAACTTATCCCATCCATCATTATT
CTCAACATGTTTGCCAGTGTCTTCTGCTTACTGCCATTAGCCTGGACCGATGTCTGATA
GTACATAAGCCAATCTGGTGCCAGAATCATCGAAACGTGAGAACCGCCTTCGCCATCTGT
GGATGTGTCTGGGTGGTAGCCTTTGTGATGTGTGTGCCCGTATTTGTATACCGTGATCTG
TTCATTATGGACAATCGCAGTATATGTAGATATAATTTTGATTCCCTCCAGGTCATATGAT
TATTGGGACTACGTGTA] CAAACTAAGTCTACCAGAAAGCAATTCTACTGATAACTCCAC
TGCTCAGCTAACTGGACATATGAATGACAGGTCAGCTCCTTCTCTGTACAGGCAAGGGA
TTACTTTTGGACAGTTACCAC TGCCCTCCAGTCACAGCCATTCCCTAACATCTCCTGAAGA
CTCATTTCTCTCTAGATTTCAGCAAACCAACAACCCATTATGGTGGAAAGCCTCCTAATGT
CCTCACAGCCGCCGTACCCAGCGGGTTTCTGTGTTGAAGATCGTAAATCCAATACACTGAA
CGCTGACGCTTTTCTCTCTGCTCACACAGAACTTTTCCCTACTGCTTCTAGTGGTCATTT
ATACCCCTATGATTTCCAGGGGGATTATGTTGACCAATTACAGTATGACAAATCATGTGCC
GACACCGCTGATGGCAATAACCATCACAAAGGCTGGTGGTGGGCTTCTGGTGCCGTTTTT
CATCATGGTAATTTGTTACAGCCTCATCGTCTTCAGAATGCGAAAAACCAACTTCACCAA
GTCTCGGAACAAAACCTTTTGGGTGGCTGTGGCTGTGGTCACTGTCTTTTTTATCTGCTG
GACTCCATACCATCTTGTCTGGAGTCCGTCTATTGATTACTGATCCAGAAAGTTCCCTGGG
GGAAGCTGTGATGTCTTGGGACCACATGTCCATTGCTTTAGCATCTGCCAATAGTTGCTT
CAACCCTTTCTGTATGCCCTCTTGGGGAAAGACTTTAGGAAGAAAGCAAGACAGTCTAT
AAAGGGCATTCTGGAAGCAGCCTTCAGCGAAGAGCTCACGCACTCTACCAACTGTACCCA
AGACAAAGCCTCTTCAAAAAGAAACAATATGAGTACAGATGTGTGAAGATGTGGCCCTGG
GAACCTAAGCAGAGTTCTCAGGTGAACAGTGATGGATGACATGTGAGCAGGACACTTTAG
ACAAATTTGGCGACTCTCAGAGAAAAGTCTCTTATTGACATCAGCATCATTTGAAAACATT
AAAGATGCAAAATTTCAAGCCCCATCCCAGATGTGTTGACTCAGAATCTCTGGCCCATGG
GACCAGTGTTTTAAACAGGCCCTTCTTGTTCATCAGTGTTAAGTTTTACCTCATTTGGCT
TAGTCTATTCCCATCCCTGACTACACCATGTGCAATGAATAACTTTTTTCATCTGTTTTCA
GTATTCTTTTTTTTTTCTTAGCATCATCTAAACTTCTAGTTTGCATGGAAAGGCTGCTCTT
ATTGTTCTGAATGGAAGATATTCATTTATTGTACAGTTTTGTGGTGGTGACAAGTGATTT
TTAAGTGGGGAAAGAGACACAGTAAGAAAAGATCTATGAAAGCAGGGAGTGTGAGTTAG
AGTTTGACAGAACACAGTGCCAAATGCCACCCACTAAAAGCAACCTGAGATAATTCCAGT
GTTTCATGTGAGCAAGTGAGCACAGATACACATAAACACTTCTCTACTCCTGGAGTGT
AGAAGTTGTAGCTTGGAGCTC

FIGURE 2A